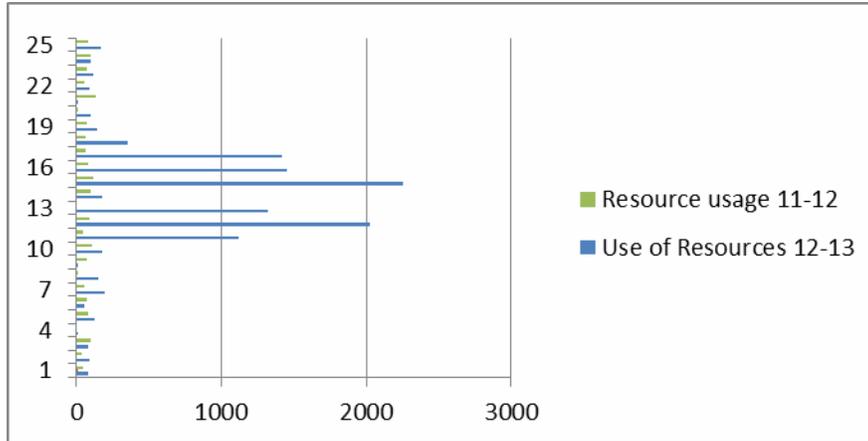


School District of Clay County – Clay Hill Elementary
EDU2011
Final Report - April 30, 2013
Amended September 15, 2013

Project Benefits

Classroom teachers integrated wireless devices into the curriculum daily beginning in November 2012. The initial integration was during school hours only until April 3, 2013, when students began taking devices home and accessing resources off-premises.

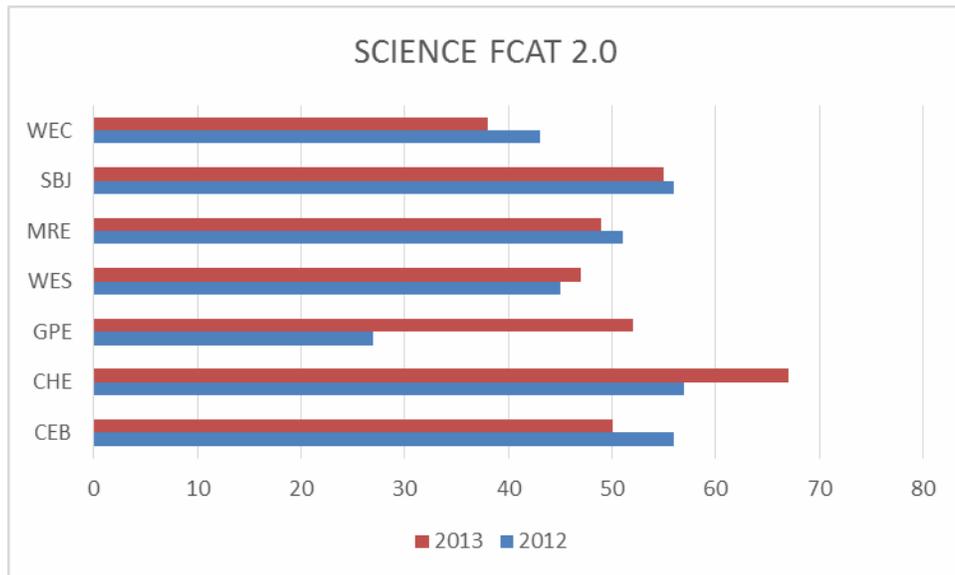
Data indicates increased use of resources from the same time period one year prior.



Attendance during the time students used wireless devices compared to the same period one year prior indicates an improvement in attendance. Students missed an average of 2 days during the wireless device period compared to 5 days during the previous year time period.

Disciplinary issues showed no improvement during the time students used wireless devices compared to the same period one year prior. From November 1, 2012, until April 29, 2013, there were 16 students involved in 37 incidents. During the previous year time period there were 14 students involved in 32 incidents.

Data to compare performance on state standardized testing shows students improved achievement in science and reading. In comparison with other Clay Title I schools, CHE ranks highest in Science achievement.



READING FCAT 2.0

School	2012	2013
CEB	62	49
CHE	55	76
GPE	49	48
WES	56	57
MRE	58	58
SBJ	56	56
WEC	63	53

Although CHE ranks highest on math FCAT 2.0 scores among Title I schools, there was no improvement between 2012 and 2013.

Project Costs

53 students were able to use wireless devices off-premises during the second semester month of April 2013. Off-premises connectivity costs were \$40 for 53 students for a total of \$2,120. The district will continue off-premises connectivity through May 31, 2013.

Effectiveness of Protective Measures

Student Internet access was filtered through iBoss both at home and school. The filter includes a reporting function that allows analysis of sites visited and usage. Parents were required to attend an informational meeting prior to devices being used off-premises. WWAN cards were installed in wireless devices to insure content was properly filtered. The cards also provide GPS functionality for recovery in case of loss or theft; at this report, no loss or theft has occurred.

Analysis of sites visited by students show Discovery Education, Blackboard, Coolmathgames.com, Microsoft, FCAT Explorer, Florida-Achieves, ixl.com, and Edheads.org as the most visited sites. At home use of the netbooks shows the hour immediately after school

and 6:00-7:00 PM are the most frequent times of use. There was only minor use of the netbooks after 8:00 PM and very few attempts to visit sites that were blocked.

Lessons Learned

There were numerous issues associated with implementation of the Clay Hill project. Originally ATT had proposed a solution for off-premises connectivity but after 14 months, the solution was abandoned and Verizon was selected as an alternative.

WWAN cards were in stock on the day they were ordered for the netbooks, but Dell had several delays in filling the order. When the cards finally arrived, technical staff had to install them which proved to be a time intensive project.

When the netbooks were finally configured for off-premises use, some parents did not come to complete the forms in order for students to take the device off-premises; one parent refused to allow a student to bring the device home.

In addition, there were conflicts with the school district network and Verizon's network.

Verizon has proven to be a dependable partner with the district so any future projects would slate Verizon as the preferred provider. If there was a device pre-configured for Verizon's network that included filtering solutions, it would considerably lessen the time required to place the devices with students.

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